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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/021,843	12/13/2001	Raj Bridgall	1182	3827

7590 12/31/2003

ATTN: MARK I. KOFFSKY
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[REDACTED]
EXAMINER

LE, UYEN CHAU N

[REDACTED]
ART UNIT

[REDACTED]
PAPER NUMBER

2876

DATE MAILED: 12/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/021,843	BRIDGELALL, RAJ <i>PL</i>
	Examiner	Art Unit
	Uyen-Chau N. Le	2876

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____. is/are withdrawn from consideration.
- 5) Claim(s) _____. is/are allowed.
- 6) Claim(s) 1-19 is/are rejected.
- 7) Claim(s) _____. is/are objected to.
- 8) Claim(s) _____. are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____. is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) The translation of the foreign language provisional application has been received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) Interview Summary (PTO-413) Paper No(s) _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because of its informalities.

Re abstract, line 1: Substitute “Described is a” with -- A --.

Correction is required. See MPEP § 608.01(b).

Claim Objections

2. Claims 1, 3-5, 7-10, 13-14 and 17-19 are objected to because of the following informalities:

Re claim 1, lines 3 and 4: Substitute “capable of” with -- for --.

Re claim 1, line 4: Substitute “an modular” with -- a modular --.

Re claim 3, line 1: Substitute “capable of” with -- for --.

Re claim 4, line 1: Substitute “capable of” with -- for --.

Re claim 5, lines 6 and 8: Substitute “capable of” with -- for --.

Re claim 7, line 1: Substitute “capable of” with -- for --.

Re claim 8, line 1: Substitute “capable of” with -- for --.

Re claim 9, line 2: Delete “capable of”.

Re claim 10, lines 3 and 4: Substitute “capable of” with -- for --.

Re claim 13, line 2: Substitute “a wired” with -- the wired --.

Re claim 13, lines 2-3: Substitute “a wireless” with -- the wireless--.

Re claim 14, lines 3, 6, 8 and 12: Substitute “capable of” with -- for --.

Re claim 14, line 13: Substitute “the one or more” with -- one or more --.

Re claim 14, lines 14-15: Substitute “a wireless” with -- the wireless--.

Re claim 14, line 17: Substitute “the space” with -- a space --.

Re claim 17, line 1: Substitute “capable of” with -- for --.

Re claim 18, line 1: Substitute “capable of” with -- for --.

Re claim 19, line 2: Delete “capable of”.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-12, 14 and 16-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Ruppert et al (US 5,640,002).

Re claims 1-12, 14 and 16-19: Ruppert et al discloses a portable handheld PID device 298, which is a sled device comprising a battery (col. 18, lines 28+); circuitry (e.g., RF module) for performing radio frequency identification functionality (col. 17, lines 20+); a modular attachment interface (e.g., an antenna 304) for association with a host computer, which is a mobile computer (col. 17, line 20+); the sled device 298 further comprising a scanner for scanning optical codes (col. 17, lines 10+); a programmed controller (e.g., microcomputer 320) for controlling the scanner and receiving scanned data therefrom (col. 17, lines 30+ and lines

49+; col. 19, lines 51+); wherein the circuitry/RF module comprises an electromagnetic transceiver 307 (col. 20, lines 53+), a radio frequency identification air interface (e.g., RF link) decoder (col. 19, lines 49+); wherein the mobile/host computer inherently including a first modular attachment interface for association with a second modular attachment interface (e.g., an antenna 304) of the sled/PID device 298; the system further comprising at least one radio frequency identification tag (col. 21, line 62 through col. 23, line 15) and wherein the sled/PID device 298 is scanning the at least one radio frequency identification tag when the sled/PID device 298 and the at least one identification tag are beyond about 12 inches apart (col. 23, lines 60+); wherein the method of processing data comprising transmitting the identification data to a wired computer network (e.g., LAN) via a wireless medium (e.g., PCMCIA card) (col. 23, lines 18-21).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 13 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ruppert et al in view of Hunt et al (US 6,539,422). The teachings of Ruppert et al have been discussed above.

Re claims 13 and 15, Ruppert et al have been discussed above but fails to teach or fairly suggest that the wired computer network is connected to the Internet and the transmitting the

identification data to the wired computer network via the wireless medium uses a TCP/IP protocol.

Hunt et al teaches one or more hand-held ADC devices 100, which including a barcode reader and/or a RF tag reader (fig. 1; col. 4, lines 40-62), transmitting data to a remote computer over the World Wide Web, which is Internet, using TCP/IP protocol (col. 3, lines 39+).

It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to incorporate the teachings of Hunt et al into the teachings of Ruppert et al in order to provide Ruppert et al with a more versatile and advanced system, which would expand the use of Ruppert et al's system into the World Wide Web (i.e., instead of using the system limitedly within stores), and in which the processed data can be accessible readily over the Internet at any remote "access points". Furthermore, such modification would provide Ruppert et al with a high capacity system (e.g., TCP/IP protocol) that is capable of transmitting data in high speed and therefore, an obvious expedient.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

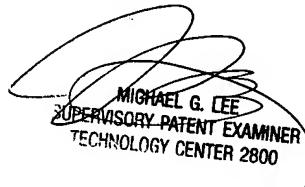
The patents to Lee (US 6,661,433); Miller et al (US 5,331,580); Ogasawara (US 6,512,919); Beller et al (US 5,602,377) are cited as of interest and illustrate a similar structure to an apparatus and system of RANGE EXTENSION FOR RFID HAND-HELD MOBILE COMPUTERS.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Uyen-Chau N. Le whose telephone number is 703-306-5588. The examiner can normally be reached on SUN, M, W, F 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MICHAEL G LEE can be reached on (703) 305-3503. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.


Uyen-Chau N. Le
December 11, 2003


MICHAEL G. LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800